

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072823\  
 Data File : VY014915.D  
 Acq On : 28 Jul 2023 17:45  
 Operator : SY/MD  
 Sample : 03813-07  
 Misc : 5.34g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PLAUDERVILLE-3

Quant Time: Jul 29 03:09:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

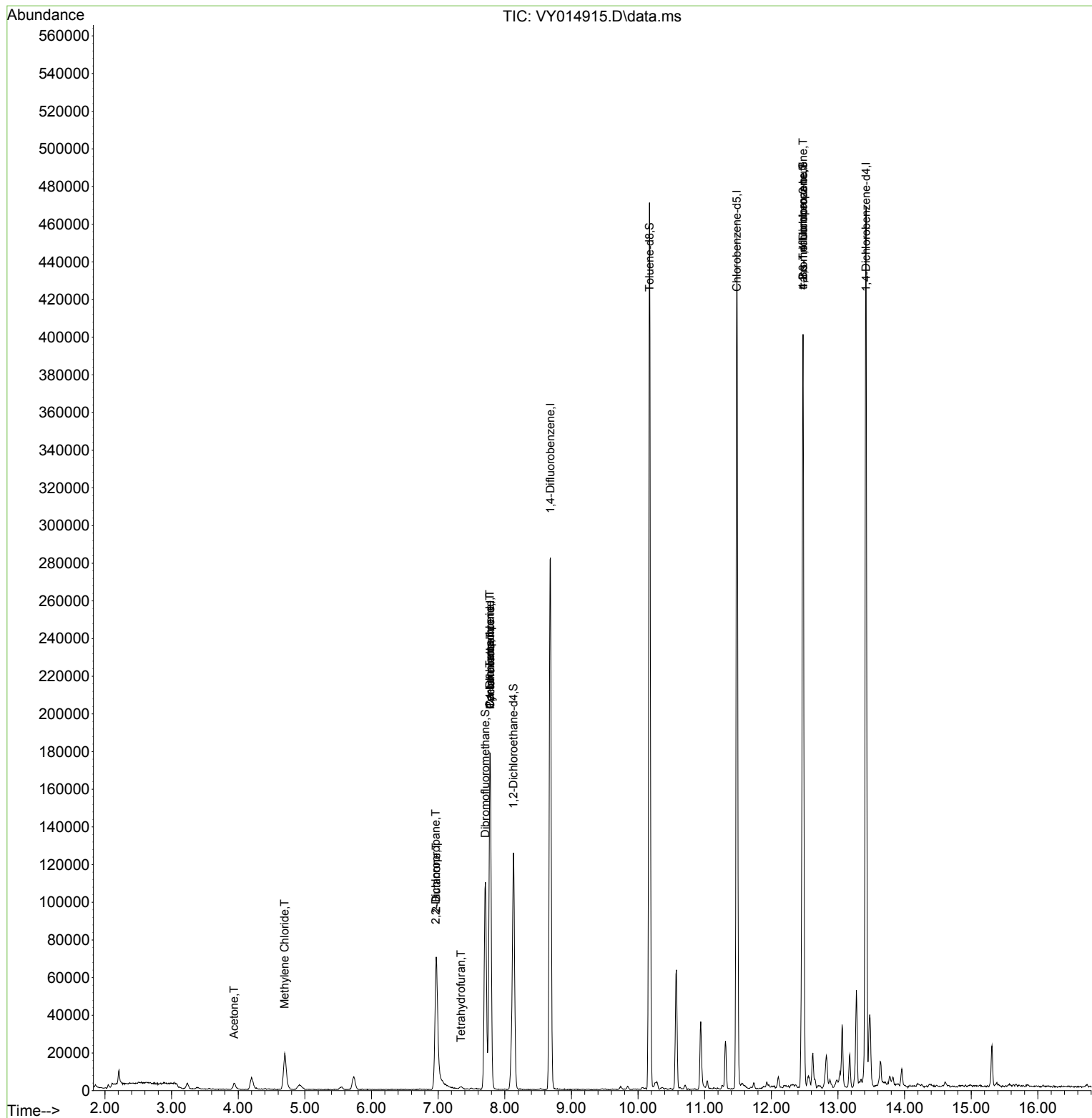
| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783     | 168   | 140831   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 248353   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.483    | 117   | 240684   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 117603   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.130     | 65    | 91675    | 57.125    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | =      | 114.240% |
| 35) Dibromofluoromethane      | 7.710     | 113   | 78347    | 49.557    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | =      | 99.120%  |
| 50) Toluene-d8                | 10.173    | 98    | 297387   | 51.022    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | =      | 102.040% |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 111598   | 49.934    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | =      | 99.860%  |
| Target Compounds              |           |       |          |           |        |          |
|                               |           |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.917     | 59    | 2282     | Below Cal | #      | 89       |
| 16) Acetone                   | 3.936     | 43    | 5868     | 11.539    | ug/l # | 83       |
| 20) Methylene Chloride        | 4.698     | 84    | 13968    | 4.622     | ug/l   | 86       |
| 25) 2-Butanone                | 6.972     | 43    | 5169     | 6.948     | ug/l # | 77       |
| 26) 2,2-Dichloropropane       | 6.966     | 77    | 5254     | 1.925     | ug/l # | 54       |
| 29) Tetrahydrofuran           | 7.344     | 42    | 879      | 1.919     | ug/l # | 67       |
| 31) Cyclohexane               | 7.783     | 56    | 3052     | 1.146     | ug/l # | 11       |
| 36) 1,1-Dichloropropene       | 7.777     | 75    | 11708    | 4.952     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.777     | 117   | 13865    | 5.548     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 59908    | 40.334    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 59908    | 78.094    | ug/l # | 11       |
| -----                         |           |       |          |           |        |          |

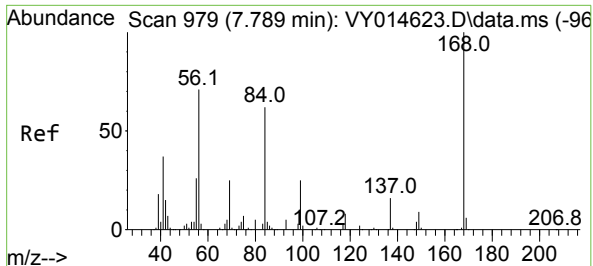
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

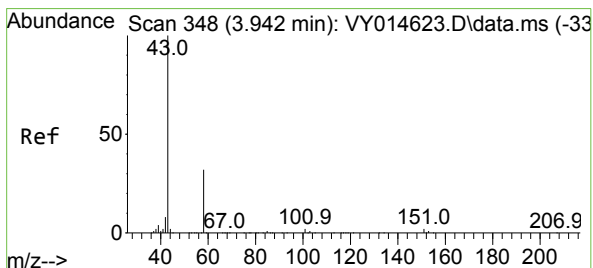
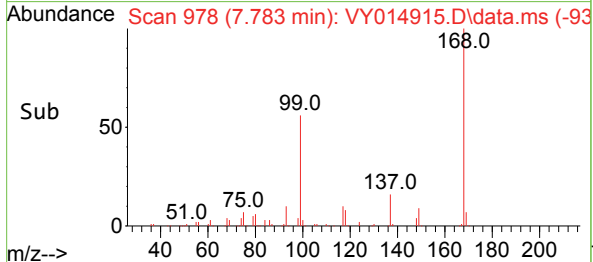
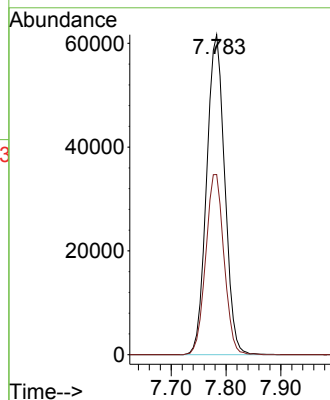
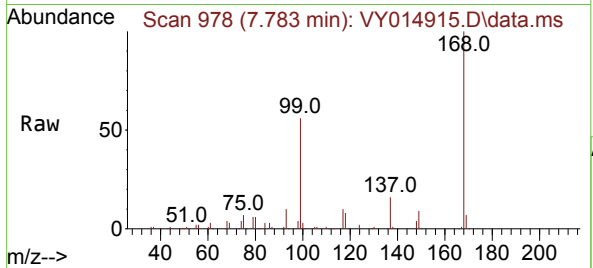




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

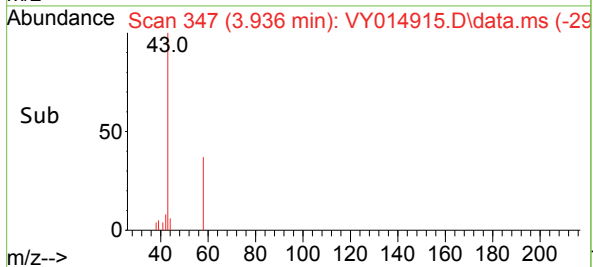
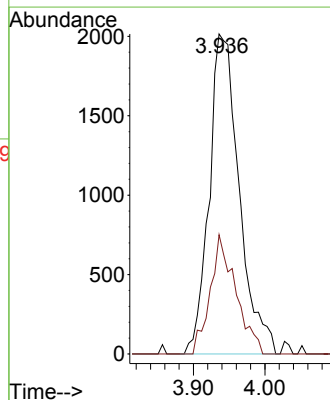
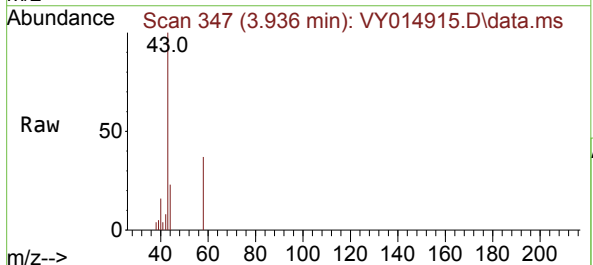
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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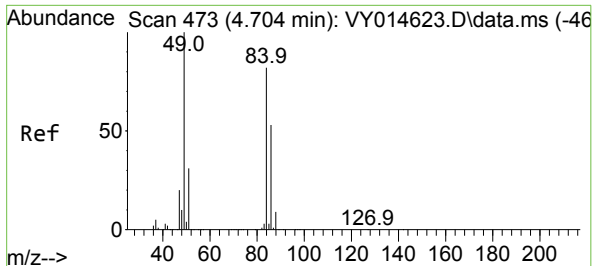
Tgt Ion:168 Resp: 140831  
Ion Ratio Lower Upper  
168 100  
99 56.3 43.4 65.0



#16  
Acetone  
Concen: 11.539 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.006 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

Tgt Ion: 43 Resp: 5868  
Ion Ratio Lower Upper  
43 100  
58 37.3 22.7 34.1#

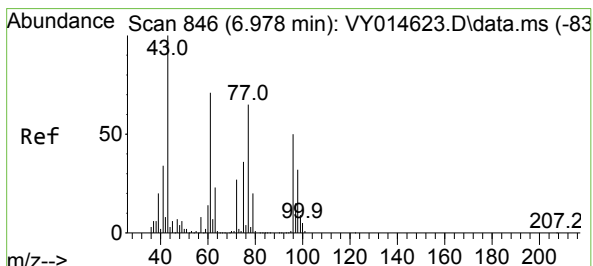
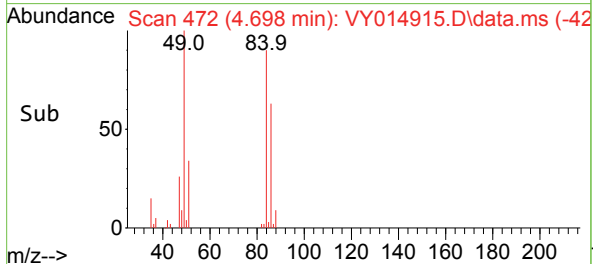
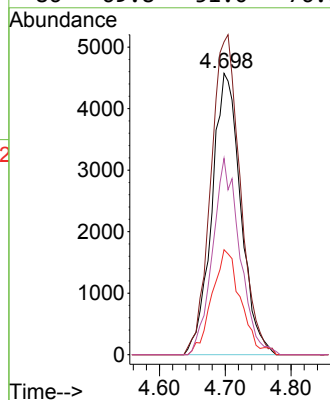
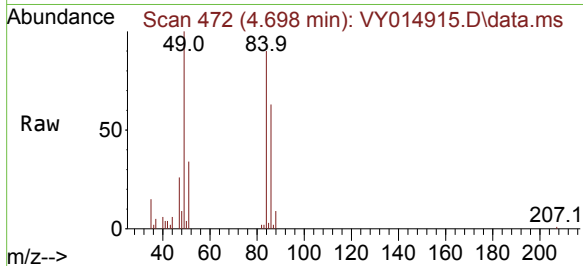




#20  
Methylene Chloride  
Concen: 4.622 ug/l  
RT: 4.698 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

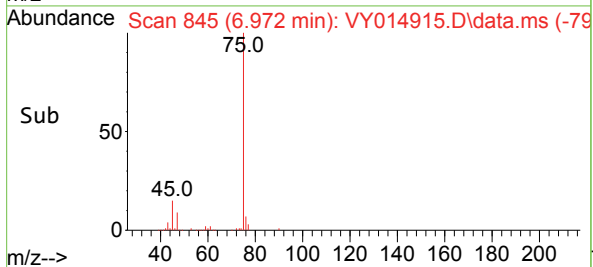
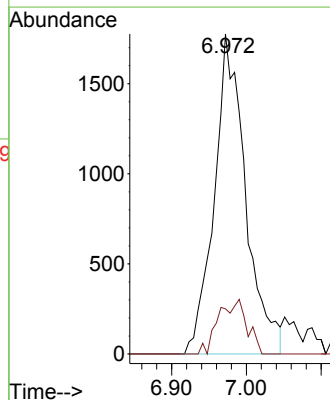
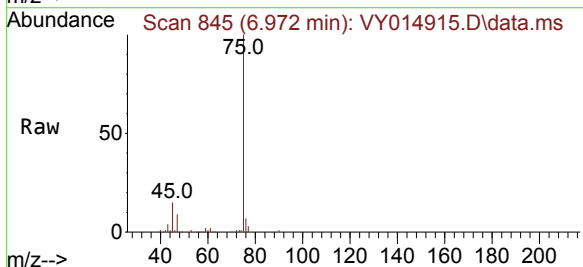
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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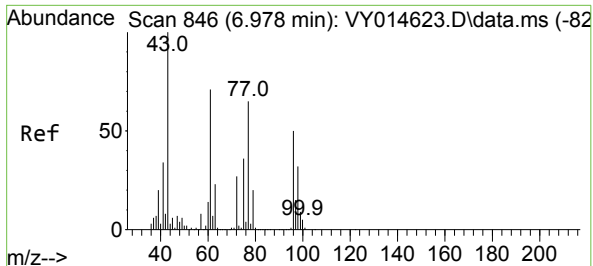
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 13968 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 111.2 | 106.9 | 160.3 |
| 51       | 37.3  | 33.2  | 49.8  |
| 86       | 69.8  | 51.0  | 76.6  |



#25  
2-Butanone  
Concen: 6.948 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5169  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 14.1  | 20.5  | 30.7# |

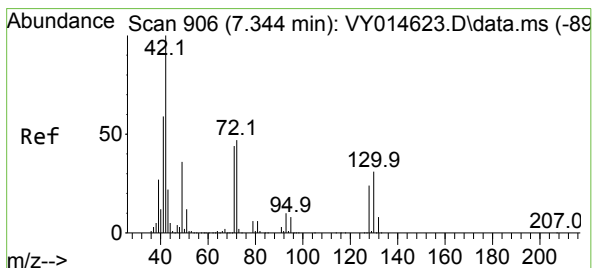
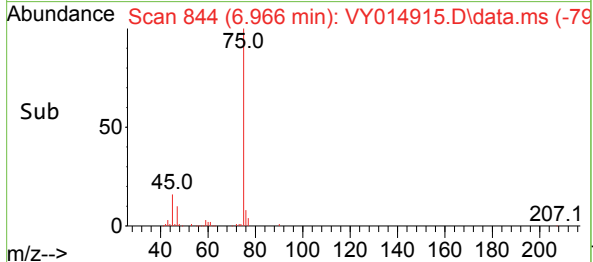
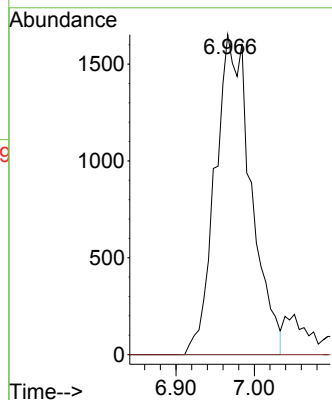
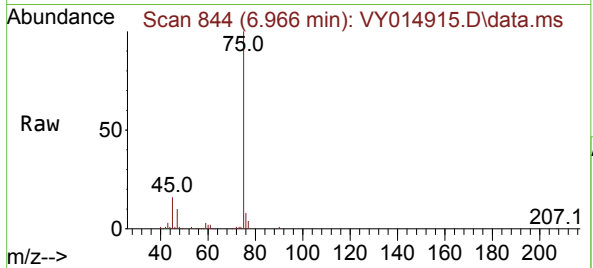




#26  
2,2-Dichloropropane  
Concen: 1.925 ug/l  
RT: 6.966 min Scan# 846  
Delta R.T. -0.012 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

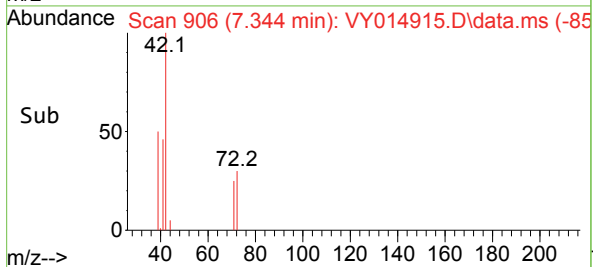
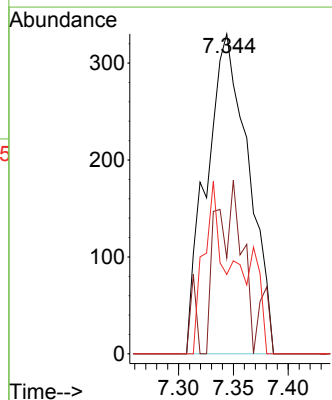
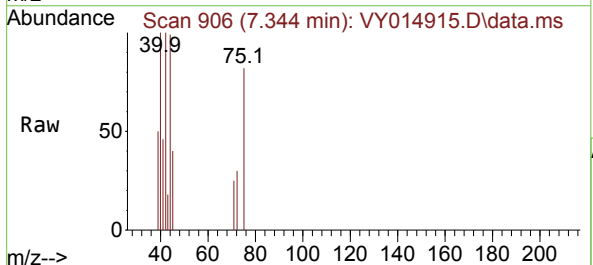
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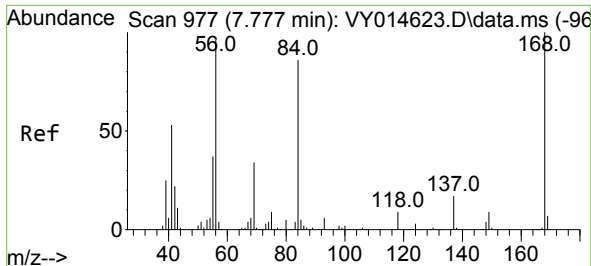
Tgt Ion: 77 Resp: 5254  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.9 32.9#



#29  
Tetrahydrofuran  
Concen: 1.919 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. -0.000 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

Tgt Ion: 42 Resp: 879  
Ion Ratio Lower Upper  
42 100  
72 16.4 32.8 49.2#  
71 23.2 31.0 46.4#

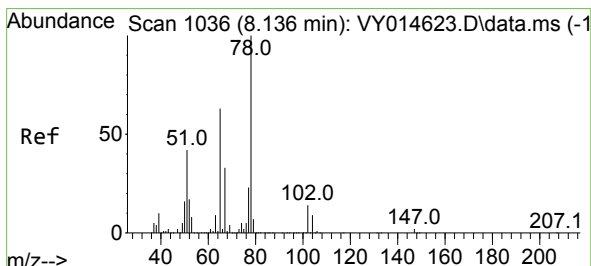
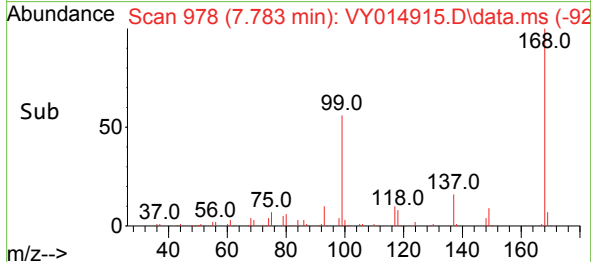
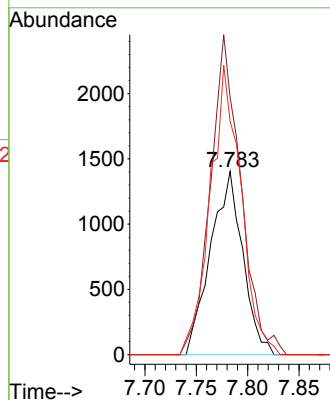
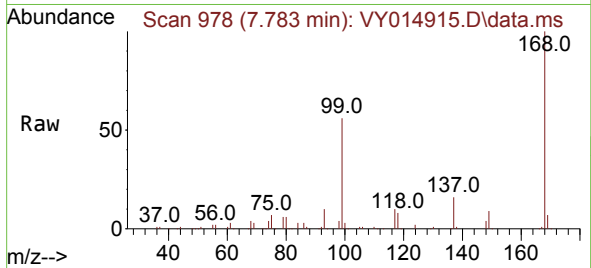




#31  
Cyclohexane  
Concen: 1.146 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

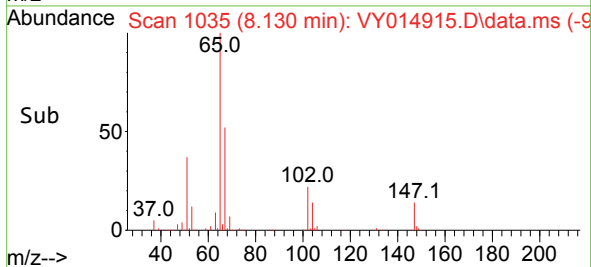
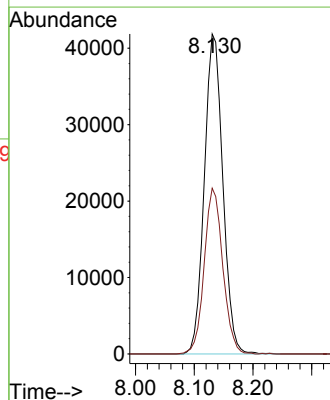
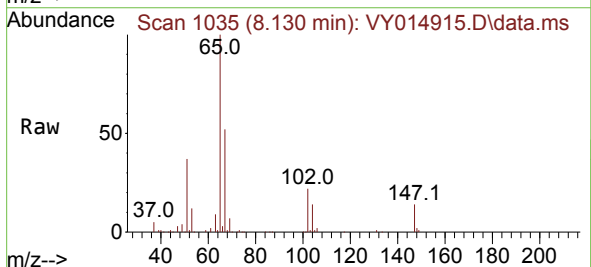
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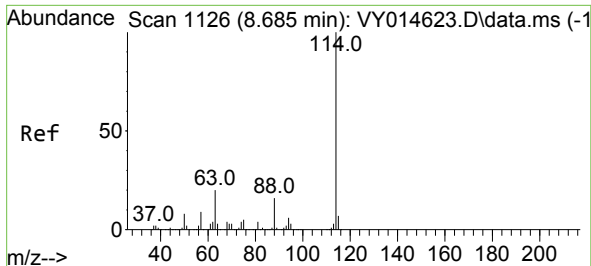
Tgt Ion: 56 Resp: 3052  
Ion Ratio Lower Upper  
56 100  
69 140.4 27.8 41.6#  
84 127.4 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 57.125 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

Tgt Ion: 65 Resp: 91675  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 101.8

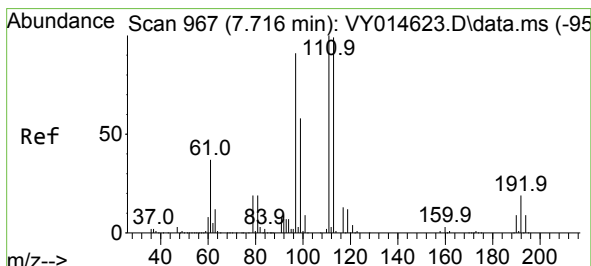
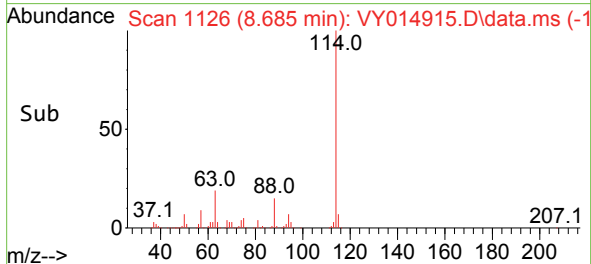
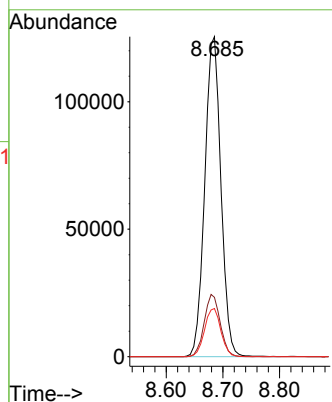
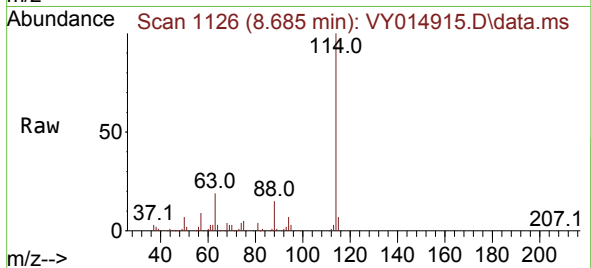




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

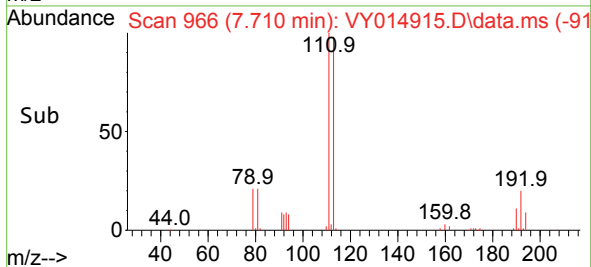
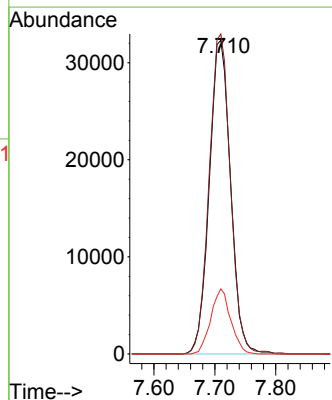
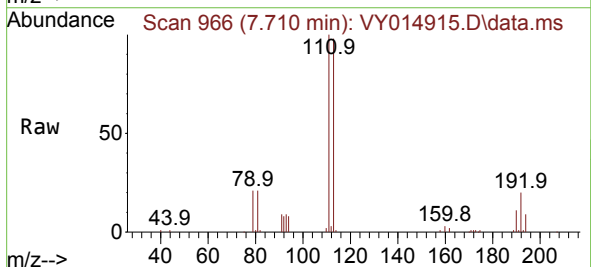
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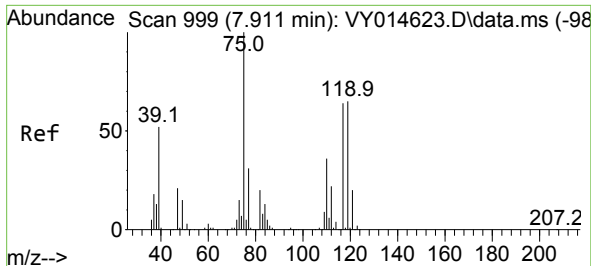
Tgt Ion:114 Resp: 248353  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 42.4  
88 15.0 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 49.557 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

Tgt Ion:113 Resp: 78347  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.3 121.9  
192 19.5 16.9 25.3

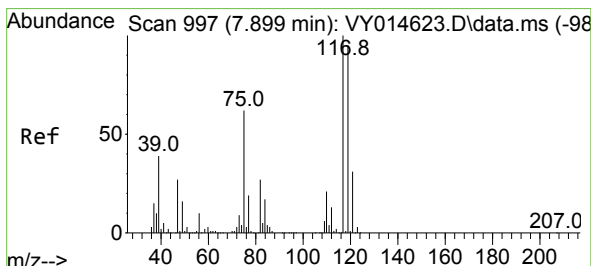
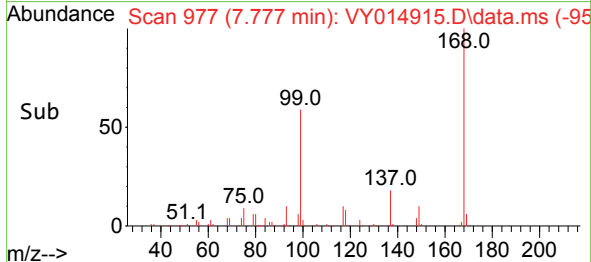
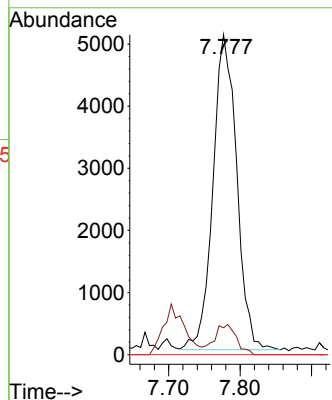
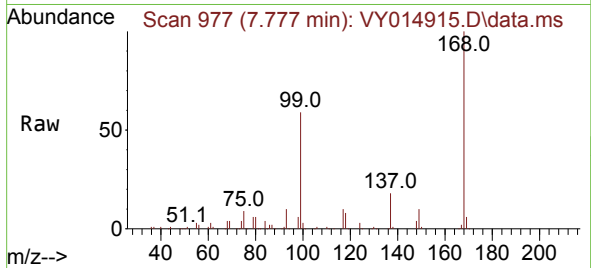




#36  
 1,1-Dichloropropene  
 Concen: 4.952 ug/l  
 RT: 7.777 min Scan# 911  
 Delta R.T. -0.134 min  
 Lab File: VY014915.D  
 Acq: 28 Jul 2023 17:45

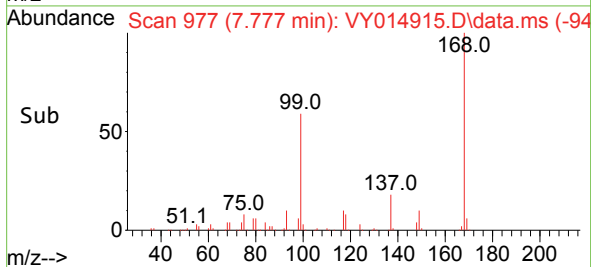
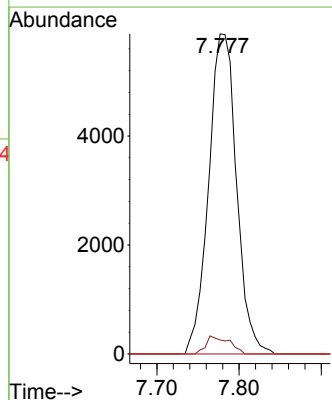
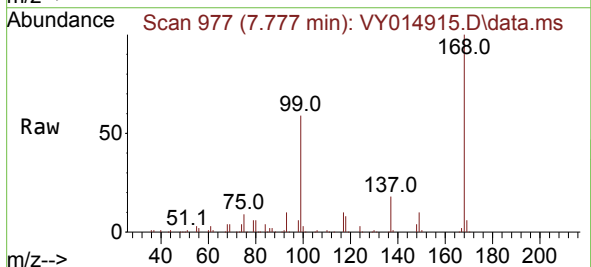
Instrument :  
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 PLAUDERVILLE-3

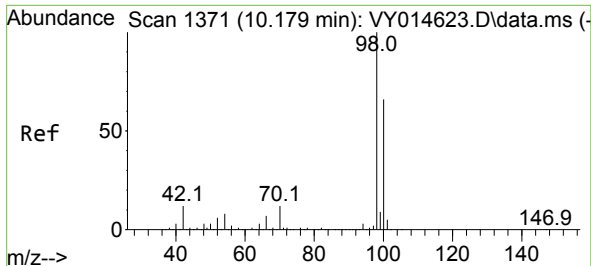
Tgt Ion: 75 Resp: 11708  
 Ion Ratio Lower Upper  
 75 100  
 110 8.9 17.8 53.5#  
 77 0.0 24.4 36.6#



#38  
 Carbon Tetrachloride  
 Concen: 5.548 ug/l  
 RT: 7.777 min Scan# 977  
 Delta R.T. -0.122 min  
 Lab File: VY014915.D  
 Acq: 28 Jul 2023 17:45

Tgt Ion: 117 Resp: 13865  
 Ion Ratio Lower Upper  
 117 100  
 119 4.4 76.4 114.6#  
 121 0.0 25.8 38.6#

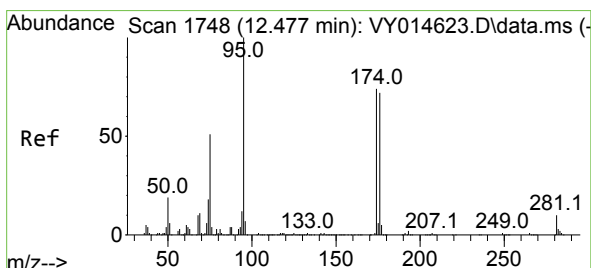
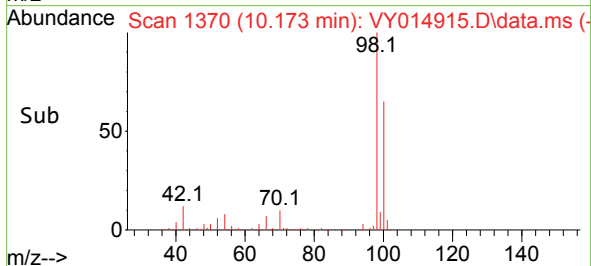
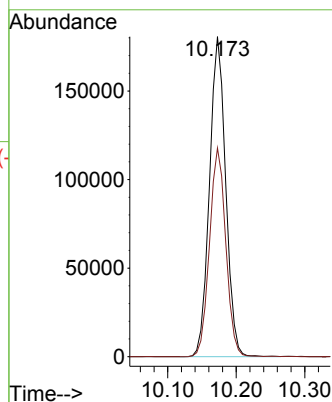
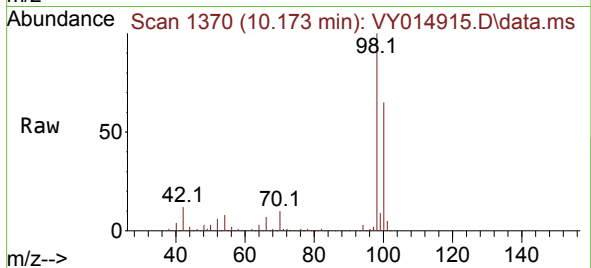




#50  
Toluene-d8  
Concen: 51.022 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

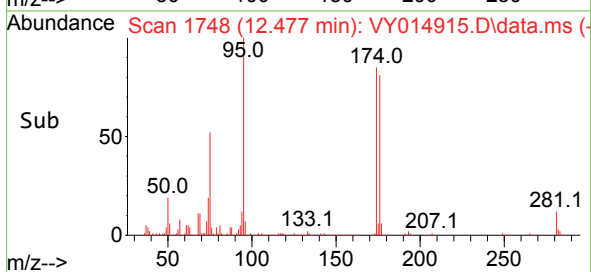
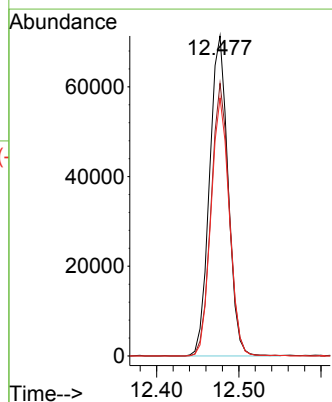
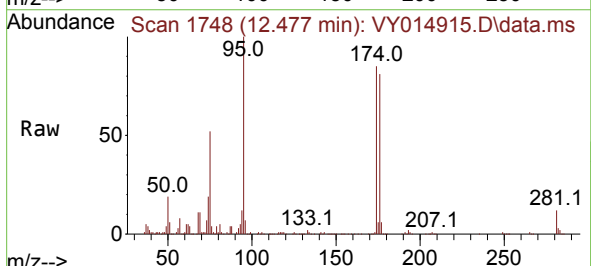
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PLAUDERVILLE-3

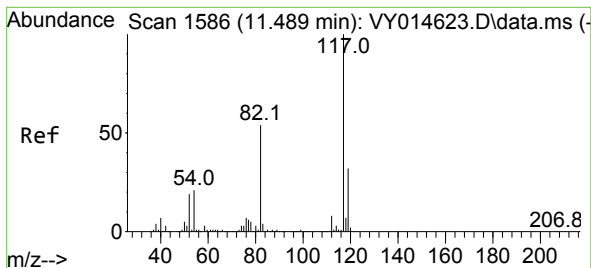
Tgt Ion: 98 Resp: 297387  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 49.934 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

Tgt Ion: 95 Resp: 111598  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 178.2  
176 79.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014915.D

Acq: 28 Jul 2023 17:45

Instrument :

MSVOA\_Y

ClientSampleId :

PLAUDERVILLE-3

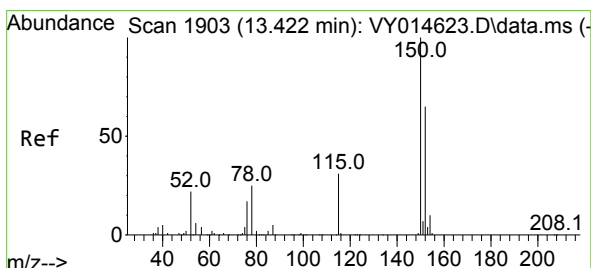
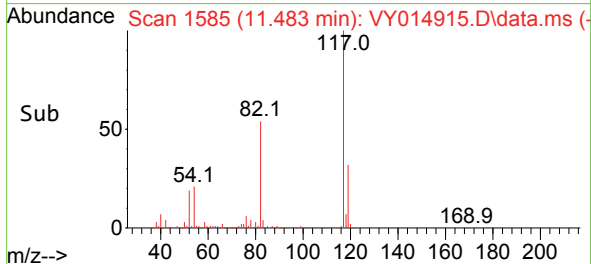
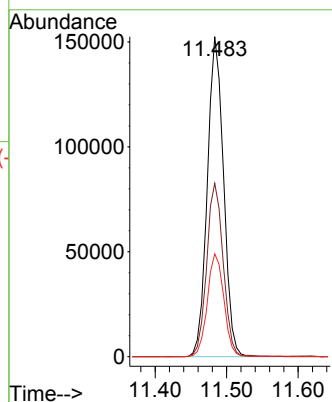
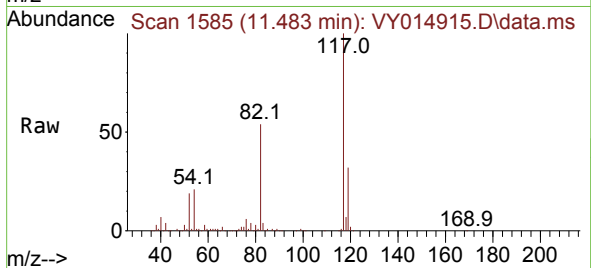
Tgt Ion:117 Resp: 240684

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014915.D

Acq: 28 Jul 2023 17:45

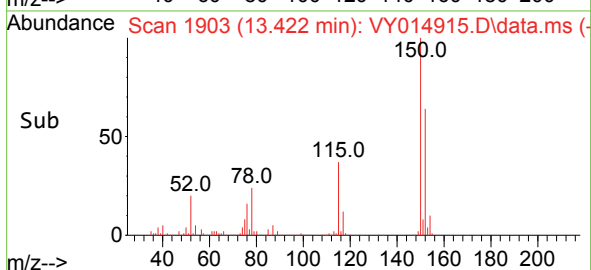
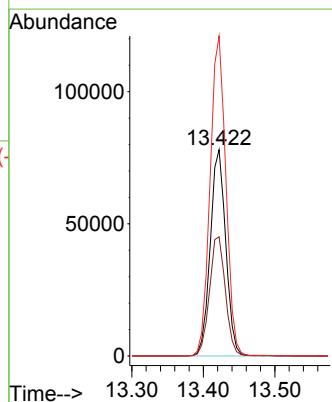
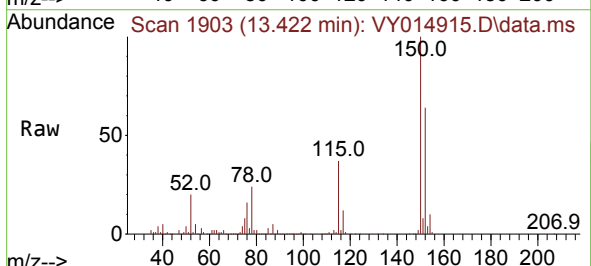
Tgt Ion:152 Resp: 117603

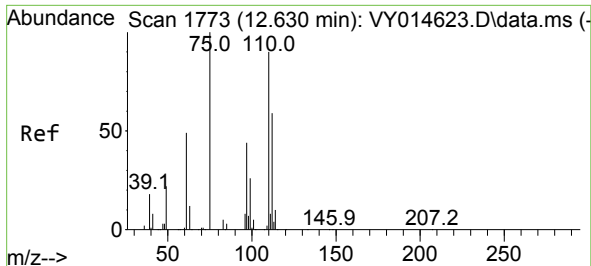
Ion Ratio Lower Upper

152 100

115 59.4 28.8 86.5

150 158.0 0.0 348.8

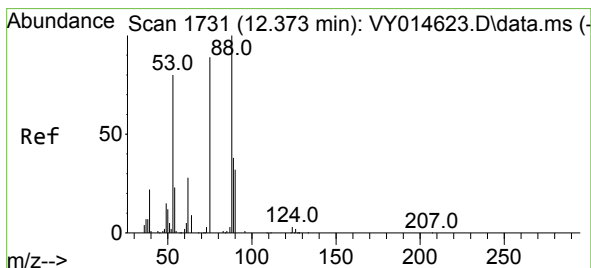
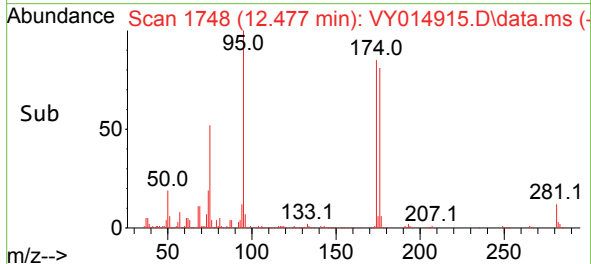
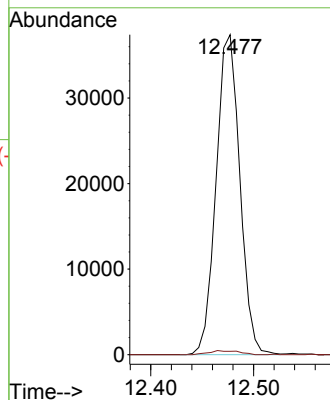
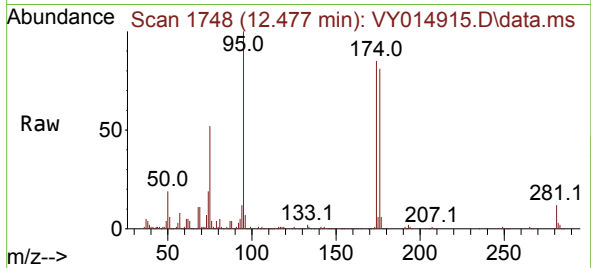




#76  
1,2,3-Trichloropropane  
Concen: 40.334 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PLAUDERVILLE-3

Tgt Ion: 75 Resp: 59908  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.094 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY014915.D  
Acq: 28 Jul 2023 17:45

Tgt Ion: 75 Resp: 59908  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.2 37.4 56.0#

